

Technology will enhance, improve internet security

by Fran Crumb, Information Directorate

ROME, N.Y. — The Air Force Research Laboratory Information Directorate has awarded a \$2,477,200 contract to BBN Technologies of Cambridge, Mass., to develop technology for enhanced Internet security.

The objective of the 26-month effort is the development of Secure-Border Gateway Protocol (S-BGP) for deployment into the internet.

“The Border Gateway Protocol currently deployed in the internet is highly vulnerable to a variety of attacks due to the lack of a scalable means to verify the authenticity and legitimacy of BGP control traffic,” said Robert L. Kaminski,

program manager in the directorate’s Information Grid Division.

“Under contract to the National Security Agency and the Defense Advanced Research Projects Agency, BBN Technologies previously designed a system of countermeasures to address these problems,” Kaminski said. “Those countermeasures have been incorporated into a proof-of-concept prototype which will now be further developed and transitioned into the Internet.”

The resulting technology is expected to benefit both military and civilian internet users. @